

Specifications WC PRO 160

TRUE 4K specifications

Max. 4K Capabilities		
Resolution and Refresh Rate	Chroma Sampling	Max. Bit Depth per Color
4096x2160 at 60 Hz	4:4:4	8 bit
3840x2160 at 60 Hz		
3840x2160 at 30 Hz		
4096x2160 at 30 Hz		

Frame rate¹ 24, 25, 30, 50, or 60 fps

Chroma sampling¹ 4:4:4

Color bit depth¹ 8 bits per color (24 bits total, RGB)

Signal type HDMI 2.0, HDCP 2.0

Max. video data rate 10.2 Gbps (3.4 Gbps per color)

NOTE: ¹Subject to the maximum data rate limit. Use our calculator (<https://www.extron.com/8Kdatarate>) to determine video parameters supported by this data rate.

Memory

SDRAM 1 GB

Flash 8 GB

Software Control Options

Configuration software Global Configurator Plus and Professional, embedded web page, Product Configuration Software

Utilities Toolbelt, embedded web page

Resource management software.... GlobalViewer Enterprise

Control apps Extron control

Hardware User Interface

Hardware TouchLink Pro touchpanels or network button panels

Video

HDMI input 1 female HDMI type A

HDMI input resolutions..... Up to 4K (4096x2160) @ 60 Hz with 24-bit color (8 bits per color) and 4:4:4 color sampling

HDMI output 1 female HDMI type A

Serial control

Quantity/type 1 bidirectional RS-232

Connector..... (1) 3.5 mm direct insertion captive screw connector, 3 pole

Baud rate and protocol (RS-232) ... 300 to 115200 baud (9600 = default)

8 (default) or 7 data bits

1 (default) or 2 stop bits

No parity (default), or even or odd parity

NOTE: Supports software flow control. Default = no flow control.

Specification • WC PRO 160 (Continued)

Pin configuration
Serial, 5 pole captive screw RS-232: 1 = Tx, 2 = Rx, 3 = Gnd

IR control

Quantity/type 1 programmable TTL level (0 to 5 V) infrared (carrier and nonn-carrier), up to 300 kHz
Connector (1) 3.5 mm direct insertion captive screw connector, 2 pole
Pin configuration 1 = signal, 2 = Gnd
IR output carrier frequency 30 kHz to 300 kHz

Digital inputs and outputs

Quantity/type 2 digital inputs/outputs (configurable)
Connector (1) 3.5 mm captive screw, 3 pole
Digital inputs
Input voltage range 0 to 24 VDC
Input impedance ≥10k ohms typical
Programmable pullup 2k ohms to +5 VDC
Threshold low to high >2.8 VDC
Threshold high to low <2.0 VDC
Digital outputs 250 mA sink from 24 VDC max.
Pin configuration 1, 2, G, where 1,2 = digital input and outputs 1 and 2, G = Gnd

Audio output

Number/signal type 1 analog line level stereo, balanced or unbalanced (variable)
1 digital, embedded in HDMI (fixed)
Connectors (1) 5 pole 3.5 mm captive screw
1 female HDMI
Impedance 50 ohms unbalanced, 100 ohms balanced
Gain error ±0.5 dB, channel to channel
Maximum level (Hi-Z) 15 dBu, balanced
9 dBu, unbalanced
Output volume range 0 to 100% in 1% steps

+V output

+24 V output port (1) 3.5 mm captive screw connector, 2 pole
Output +24 VDC, 75 mA, fixed, non-switchable

Ethernet control

Network interface controllers (NICs) 1
Connector 1 female RJ-45
Data rate 10/100Base-T, half/full duplex with autodetect
Protocols DHCP, DNS, HTTP, HTTPS, ICMP, NTP, SFTP, SMTP, SNMP, SSH, TCP/IP, UDP/IP
Default settings
Link speed and duplex level Autodetected
IP address 192.168.254.250
Subnet mask 255.255.255.0
Gateway IP address 0.0.0.0
DHCP Off
DNS 127.0.0.1

Specification • WC PRO 160 (Continued)

General

Power supply (sold separately).....	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 1.5 A, 18 watts
Power input	Power over Ethernet (PoE) (complies with PoE 802.3af, class 3)
Power consumption — Power over Ethernet (PoE)	
Device	9.6 watts
Device and power supply	12.6 watts
Power consumption — 12 VDC power supply	
Device	7.6 watts
Device and power supply	8.8 watts
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Cooling	Convection, vents on top and sides
Thermal dissipation — Power over Ethernet (PoE)	
Device	25.7 BTU/hr
Device and power supply	35.7 BTU/hr
Thermal dissipation — 12 VDC power supply	
Device	18.9 BTU/hr
Device and power supply	23.0 BTU/hr
Mounting	
Rack mount.....	Yes, with optional 1U rack shelf
Furniture mount	Yes, with optional MBU 125 under-desk mounting kit (included)
Enclosure type	Metal
Enclosure dimensions	1.0" H x 6.5" W x 3.0" D (25 mm H x 165 mm W x 76 mm D)
Product weight	0.5 lbs (0.23 kg)
Regulatory compliance.....	CE, c-UL, UL, C-tick, FCC Class A, ICES, RoHs, WEEE UL Listed for use in plenum air handling spaces Meets UL 2043 for heat and smoke release.
Product warranty	3 years parts and labor
Everlast power supply warranty.....	7 years parts and labor

NOTE: All nominal levels are at ±10%.

NOTE: Specifications are subject to change without notice.

NOTE: Shipping weights and dimensions are available at www.extron.com.

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